

# Tecplot

## Category: Licensed Application Software

### DRAFT

This article is being reviewed for completeness and technical accuracy.

Tecplot 360 is a CFD and Numerical Simulation Visualization Software used in post-processing simulation results. Common tasks associated with post-processing analysis of flow solver (e.g. Fluent, STAR-CD, OpenFOAM) can include such tasks as:

- Calculating grid quantities (e.g. aspect ratios, skewness, orthogonality and stretch factors)
- Normalizing data; Deriving flow field functions like pressure coefficient or vorticity magnitude
- Verifying solution convergence
- Estimating the order of accuracy of solutions
- Interactively exploring data through cut planes (a slice through a region), iso-surfaces (3-D maps of concentrations), particle paths (dropping an object in the "fluid" and watching where it goes).

As of Dec. 2008, the Tecplot license at NAS no longer has restrictions on the number of copies of Tecplot that can be run concurrently.

Note: If you have set the stacksize with a command like "limit stacksize unlimited", you will have to reduce the stacksize for Tecplot to run. For example,

```
%limit stacksize 2000000
```

For more information, please visit [Tecplot's documentation page](#).

### See also:

<http://en.wikipedia.org/wiki/Tecplot>

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Article ID: 118

Last updated: 24 May, 2011

Computing at NAS -> Software Environment -> Licensed Application Software -> Tecplot

<http://www.nas.nasa.gov/hecc/support/kb/entry/118/?ajax=1>